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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 3	OCT 19	BEILSTEIN updated with new compounds
NEWS 4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 5	NOV 19	WPIX enhanced with XML display format
NEWS 6	NOV 30	ICSD reloaded with enhancements
NEWS 7	DEC 04	LINPADOCDB now available on STN
NEWS 8	DEC 14	BEILSTEIN pricing structure to change
NEWS 9	DEC 17	USPATOLD added to additional database clusters
NEWS 10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 11	DEC 17	DGENE now includes more than 10 million sequences
NEWS 12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 16	JAN 02	STN pricing information for 2008 now available
NEWS 17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 19	JAN 28	MARPAT searching enhanced
NEWS 20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23	FEB 08	STN Express, Version 8.3, now available
NEWS 24	FEB 20	PCI now available as a replacement to DPCI
NEWS 25	FEB 25	IFIREF reloaded with enhancements
NEWS 26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 15:36:12 ON 18 MAR 2008

=> file medline
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   1.47   1.47

FILE 'MEDLINE' ENTERED AT 15:40:16 ON 18 MAR 2008

 FILE LAST UPDATED: 15 Mar 2008 (20080315/UP). FILE COVERS 1949 TO DATE.

  MEDLINE has been updated with the National Library of Medicine's
  revised 2008 MeSH terms. See HELP RLOAD for details.

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s stearoyl-coa desaturase
          1936 STEAROYL
         36924 COA
           811 COAS
         37074 COA
                 (COA OR COAS)
          2952 DESATURASE
          2426 DESATURASES
          4066 DESATURASE
                 (DESATURASE OR DESATURASES)
L1   697 STEAROYL-COA DESATURASE
                 (STEAROYL(W)COA(W)DESATURASE)

=> s l1 and review
        519577 REVIEW
         64962 REVIEWS
        569052 REVIEW
                 (REVIEW OR REVIEWS)
L2   21 L1 AND REVIEW

=> s l2 and 2003/py
        573565 2003/PY
                 (20030000-20039999/PY)
L3   2 L2 AND 2003/PY

=> d 1-2 ibib abs

L3   ANSWER 1 OF 2   MEDLINE on STN
ACCESSION NUMBER: 2003311563   MEDLINE
DOCUMENT NUMBER: PubMed ID: 12840656
TITLE: Recent insights into stearoyl-CoA
                    desaturase-1.
AUTHOR: Ntambi James M; Miyazaki Makoto
CORPORATE SOURCE: Departments of Biochemistry and Nutritional Sciences,
                    University of Wisconsin, Madison, Wisconsin 53706, USA..
                    ntambi@biochem.wisc.edu
CONTRACT NUMBER: R0162388

SOURCE: Current opinion in lipidology, (2003 Jun) Vol. 14, No. 3, pp. 255-61. Ref: 81
Journal code: 9010000. ISSN: 0957-9672.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200402
ENTRY DATE: Entered STN: 4 Jul 2003
Last Updated on STN: 6 Feb 2004
Entered Medline: 5 Feb 2004

AB PURPOSE OF REVIEW: Stearoyl-Coenzyme A (CoA) desaturase is a central lipogenic enzyme catalyzing the synthesis of monounsaturated fatty acids - mainly oleate (C(18:1)). Oleate is the most abundant monounsaturated fatty acid in dietary fat and is therefore readily available. Why, then, is stearoyl-CoA desaturase a highly regulated enzyme? This review summarizes the recent and timely advances concerning the important role of stearoyl-CoA desaturase in metabolism. RECENT FINDINGS: Recent findings using mice that have a naturally occurring mutation in the SCD1 gene isoform as well as a mouse model with a targeted disruption of the stearoyl-CoA desaturase gene-1 (SCD1-/-) have revealed the role of de-novo synthesized oleate and thus the physiological importance of SCD1 expression. In the highlighted references, it is shown that the SCD1-/- mice have reduced body adiposity, increased insulin sensitivity, and are resistant to diet-induced obesity. The expression of several genes of lipid oxidation is upregulated, whereas lipid synthesis genes are downregulated. SCD1 was also found to be a component of the novel metabolic response to the hormone leptin. SUMMARY: SCD1, therefore, appears to be an important metabolic control point, and inhibition of its expression could be of benefit for the treatment of obesity, diabetes and other metabolic diseases.

L3 ANSWER 2 OF 2 MEDLINE on STN
ACCESSION NUMBER: 2003031722 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12538075
TITLE: Role of stearoyl-coenzyme A desaturase in lipid metabolism.
AUTHOR: Miyazaki Makoto; Ntambi James M
CORPORATE SOURCE: Department of Biochemistry, University of Wisconsin-Madison, 433 Babcock Drive, WI 53706, USA.
SOURCE: Prostaglandins, leukotrienes, and essential fatty acids, (2003 Feb) Vol. 68, No. 2, pp. 113-21. Ref: 122
Journal code: 8802730. ISSN: 0952-3278.
PUB. COUNTRY: Scotland: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 23 Jan 2003
Last Updated on STN: 28 Sep 2003
Entered Medline: 26 Sep 2003

AB Stearoyl-CoA desaturase (SCD) (EC 1.14.99.5) is an endoplasmic reticulum-bound enzyme that catalyzes the delta9-cis desaturation of saturated fatty acyl-CoAs, the preferred substrates being palmitoyl- and stearoyl-CoA, which are converted to palmitoleoyl- and oleoyl-CoA, respectively. These monounsaturated fatty acids are used as substrates for the synthesis of triglycerides, wax esters, cholesteryl

esters and membrane phospholipids. The saturated to monounsaturated fatty acid ratio affects membrane phospholipid composition and alteration in this ratio has been implicated in a variety of disease states including cardiovascular disease, obesity, diabetes, neurological disease, skin disorders and cancer. Thus, the expression of SCD is of physiological importance in normal and disease states. Several mammalian SCD genes have been cloned. A single human, three mouse and two rat are the best characterized SCD genes. The physiological role of each SCD isoform and the reason for having three or more SCD gene isoforms in the rodent genome are currently unknown. A clue as to the physiological role of the SCD, at least SCD1 gene and its endogenous products came from recent studies of asebia mouse strains that have a natural mutation in the SCD1 gene and a mouse model with a targeted disruption of the SCD1 gene. In this review we discuss our current understanding of the physiological role of SCD in lipid synthesis and metabolism.

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